U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTORNEY'S DOCKET NO .: 1432.116.101/P29858 TRANSMITTAL LETTER TO THE UNITED STATES U.S. APPLICATION NO. (If known, see 37 CFR 1.5) DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 INTERNATIONAL APPLICATION NO.: INTERNATIONAL FILING DATE: PRIORITY DATE PCT/DE03/003587 31 October 2002 29 October 2003 TITLE OF INVENTION: VERTICALLY INTEGRATED COMPONENT, COMPONENT ARRAY AND METHOD FOR FABRICATING (As Amended) APPLICANT(S) FOR DO/EO/US: LAST, first; Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. 🖾 This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. 🛛 The U.S. has been elected (Article 31). A copy of the International Application as filed (35 U.S.C. 371(c)(2)) is attached hereto (required only if not communicated by the International Bureau). b. 🛛 has been communicated by the International Bureau. c. 🗆 is not required, as the application was filed in the United States Receiving Office (RO/US). 6. 🖾 A English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. 🛛 is attached hereto. b. 🔲 has been previously submitted under 35 U.S.C. 154(d)(4). Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) 7. а. П are attached hereto (required only if not communicated by the International Bureau). b. 🔲 have been communicated by the International Bureau. c. 🗆 have not been made; however, the time limit for making such amendments has NOT expired. d. 🛛 have not been made and will not be made. 8. 🗆 A English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. 🔲 An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. □ A English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 11. 🔯 12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. A preliminary amendment. 14. An Application Data Sheet under 37 CFR 1.76. 15. 🛛 A substitute specification. 16. A power of attorney and/or change of address letter. 17. 🔲 A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 18. A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. Other items or information: Substitute Specification with Markings to Show Changes Made; Form PTO-1449; 10 cited references.

## CERTIFICATE OF EXPRESS MAIL

"Express Mail" mailing label number EV525783320US. Date of Deposit: April 29, 2005. I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Vanessa Carels

Name of Person Making Deposit

Sign of the

## JC14 Rec'd PCT/PTO 29 APR 2005

| U.S. APPLICATION NO. (If known, see 37 CFR 1.5) INTERNATIONAL APPLICATION NO.:  |  |                           |   |              |       | ATTORNEY'S DOCKET NO.:   |                 |  |
|---|--|---------------------------|---|--------------|-------|--------------------------|-----------------|--|
| 10/533550 PCT/DE03/003587   |  |                           |   |              |       | I432.116.101/P29858      |                 |  |
| 21. The following fees are submitted:   |  |                           |   |              |       | Applicant Use            | Office Use Only |  |
| ⊠ a) Basic National Fee\$300.00   |  |                           |   |              |       | \$300.00                 |                 |  |
| ⊠ b) Examination Fee\$200.00  |  |                           |   |              |       | \$200.00                 |                 |  |
| ⊠ c) Search Fee\$400.00   |  |                           |   |              |       | \$400.00                 |                 |  |
| TOTAL OF ABOVE CALCULATIONS = \$1000.00   |  |                           |   |              |       | \$900.00                 |                 |  |
| Additional fee for specification and drawings filed in paper over 100 sheets (excluding   |  |                           |   |              |       |                          | <del> </del>    |  |
| sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. |  |                           |   |              |       |                          |                 |  |
|   | Number of each additional  |                           |   |              |       |                          |                 |  |
| Total Sheets  |  | Extra Sheets              | 50 or fraction thereof (round up to a whole number) |              |       |                          |                 |  |
| -100 =  |  | /50 =                     | x \$250.00  |              | \$    |                          |                 |  |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).              |  |                           |   |              |       | \$130.00                 |                 |  |
| CLAIMS  |  | NUMBER FILED              | <del></del>   |              |       |                          |                 |  |
| Total Cla   |  | 22-20 =                   | 2   |              | 50.00 | \$100.00                 |                 |  |
| Independent Claims  |  | 3-3 =                     | 0 x \$200.00  |              |       | \$0.00                   |                 |  |
| MULTIP  | ULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360.00  |                           |   |              |       | \$0.00                   |                 |  |
| TOTAL OF ABOVE CALCULATIONS =   |  |                           |   |              |       | \$1030.00                |                 |  |
| Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are   |  |                           |   |              |       | \$                       |                 |  |
| reduced by 1/2.   |  |                           |   |              |       | \$1030.00                |                 |  |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the   |  |                           |   |              |       | \$1030.00                | <del>-</del>    |  |
|   |  | y date (37 CFR 1.492(f)   | \$0.00  |              |       |                          |                 |  |
| earnest   | ciaimed priority   | y date (07 01 11 1.402(1) | \$1030.00   | <del>-</del> |       |                          |                 |  |
| TOTAL NATIONAL FEE = \$1030.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be  |  |                           |   |              |       |                          |                 |  |
|   |  | propriate cover sheet (3  | \$  |              |       |                          |                 |  |
| TOTAL FEES ENCLOSED =   |  |                           |   |              |       | \$1030.00                | 1               |  |
|   |  |                           |   |              |       | Amount to be             |                 |  |
|   |  |                           |   |              |       | refunded:                | \$              |  |
|   |  |                           |   |              |       | Amount to be<br>charged: | \$              |  |
|   |  |                           | ona.gou.  | <b>-</b>     |       |                          |                 |  |
|   |  |                           |   |              |       |                          |                 |  |
| a. 🔲  | a. A check in the amount of \$ to cover the above fees is enclosed.  |                           |   |              |       |                          |                 |  |
| b. 🛛  |  |                           |   |              |       |                          |                 |  |
| . 57  | cover the above fees.  |                           |   |              |       |                          |                 |  |
| c. 🛚  | The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 500471. A duplicate copy of this sheet is attached.                            |                           |   |              |       |                          |                 |  |
| d. 🗆  | Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form.  Provide credit card information and authorization on PTO-2038. |                           |   |              |       |                          |                 |  |
| NOTE:   | NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore  |                           |   |              |       |                          |                 |  |
| the application to pending status.  |  |                           |   |              |       |                          |                 |  |
| $\mathcal{L}(\mathcal{L})$  |  |                           |   |              |       |                          |                 |  |
| SEND ALL CORRESPONDENCE TO:   |  |                           |   |              |       | Tryk                     | ]/              |  |
| Customer No. 025281 Paul P. Kempf Signature   |  |                           |   |              |       |                          |                 |  |
|   |  | IG & CZAJA, PLLC          | empf  |              |       |                          |                 |  |
|   | 100 SOUTH FIFTH STREET SUITE 2250 MINNEAPOLIS, MN 55402 39,727   |                           |   |              |       |                          | ·               |  |
|   |  |                           |   |              |       |                          |                 |  |
|   | S9,727 Registrat   |                           |   |              |       |                          | <del></del>     |  |
| · ·-g · · · · · · · · · · · · · · · ·   |  |                           |   |              |       |                          |                 |  |
|   |  |                           |   |              |       |                          |                 |  |